

Title (en)

Heat Transfer Assembly for Electrical Installation

Title (de)

Wärmeübertragungsanordnung für elektrische Installation

Title (fr)

Ensemble de transfert de chaleur pour installation électrique

Publication

**EP 2317615 A1 20110504 (EN)**

Application

**EP 09174583 A 20091030**

Priority

EP 09174583 A 20091030

Abstract (en)

The invention relates to a heat transfer assembly for transferring heat from an element under electrical tension, comprising a first heat transfer assembly part thermally connectable to the element under electrical tension; a second heat transfer assembly part thermally connected to the first heat transfer assembly part, an electrically insulating filling material for electrically insulating the first heat transfer assembly part from the second heat transfer assembly part, wherein the first heat transfer assembly part comprises a primary heat pipe which in use has a condenser part being remote from the element under electrical tension, wherein the primary heat pipe and the second heat transfer assembly part overlap each other over an effective length at the condenser part of the primary heat pipe, and wherein the filling material is provided between the primary heat pipe and the second heat transfer assembly part over at least the effective length.

IPC 8 full level

**H02B 13/025** (2006.01)

CPC (source: EP)

**H02B 1/56** (2013.01)

Citation (applicant)

- WO 2006053452 A1 20060526 - ABB RESEARCH LTD [CH], et al
- EP 1898505 A1 20080312 - ABB PATENT GMBH [DE]
- DE 3905875 A1 19900830 - LICENTIA GMBH [DE]
- DE 19935658 A1 20010201 - ABB PATENT GMBH [DE]

Citation (search report)

[X] US 3769551 A 19731030 - CORMAN J, et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 09174583 A 20091030**; EP 10778613 A 20101029; EP 2010066530 W 20101029; PL 10778613 T 20101029